

09886197

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FILE 'HOME' ENTERED AT 14:00:50 ON 02 AUG 2004

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'STNGUIDE' ENTERED AT 14:00:59 ON 02 AUG 2004

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LAST RELOADED: Jul 30, 2004 (20040730/UP).

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	0.27

FILE 'CAPLUS' ENTERED AT 14:01:38 ON 02 AUG 2004

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FILE COVERS 1907 - 2 Aug 2004 VOL 141 ISS 6  
FILE LAST UPDATED: 1 Aug 2004 (20040801/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

09886197

=> s termites

L1 2131 TERMITES

=> s l1 and insects

29899 INSECTS

L2 275 L1 AND INSECTS

=> s l2 and wood

145706 WOOD

L3 97 L2 AND WOOD

=> s l3 and composition

618315 COMPOSITION

L4 5 L3 AND COMPOSITION

=> d l4 1-4 ibib hitstr abs

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:569478 CAPLUS

TITLE: Protective barrier coating **composition** for construction materials

INVENTOR(S): Batdorf, Vernon Harland

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 5 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004134378	A1	20040715	US 2003-339426	20030109
PRIORITY APPLN. INFO.:			US 2003-339426	20030109

AB The protective barrier coating composition includes a metal borate compound, a Zn

compound, Mg hydroxide, and a water-based binder. Building construction materials are protected from **termites** and other **insects**, mold or mildew, and fire or H2O damage. The composition can be applied onto construction materials by a paint roller, spraying, or brushing, before, during, or after construction. An example coating contained water 29.2, cellulosic thickener 0.3, nonionic surfactant 0.5, anionic dispersant 0.8, ZnO 4.0, titania 2.0, Mg(OH)2 23.0, Zn borate 18.0, defoamer 0.2, vinyl acetate ethylene copolymer emulsion 21.0, silane adhesion promoter 0.2, and urethane thickener 0.8 parts.

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1999:125767 CAPLUS

DOCUMENT NUMBER: 130:178773

TITLE: **Composition** for the control of **wood**-destroying **insects**, especially **termites**

INVENTOR(S): Anderson, John-phillip-evans; Keuken, Oliver

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Eur. Pat. Appl., 21 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 896791	A2	19990217	EP 1998-114187	19980729
EP 896791	A3	20000112		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 19734665	A1	19990218	DE 1997-19734665	19970811
TW 505500	B	20021011	TW 1998-87112592	19980731
US 6264968	B1	20010724	US 1998-128818	19980804
ZA 9807118	A	19990209	ZA 1998-7118	19980807
JP 11124302	A2	19990511	JP 1998-234861	19980807
AU 9879895	A1	19990218	AU 1998-79895	19980811
AU 768390	B2	20031211		
BR 9803138	A	19991221	BR 1998-3138	19980811
PRIORITY APPLN. INFO.:		DE 1997-19734665		A 19970811

AB The title compns. (no examples) comprise an insecticide, preferably imidacloprid, incorporated into an organic natural and/or synthetic carrier. Optional ingredients are insect attractants and microbicides.

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1981:27685 CAPLUS

DOCUMENT NUMBER: 94:27685

TITLE: Studies on deterioration of wood by insects. III. Chemical composition of fecal matter, nest material and fungus comb of some Indian termites

AUTHOR(S): Mishra, Suresh Chandra; Sen-Sarma, Parimal Kumar  
CORPORATE SOURCE: For. Entomol. Branch, Forest Res. Inst. Coll., Dehra Dun, India

SOURCE: Material und Organismen (1979), 14(1), 1-14  
CODEN: MTOGAF; ISSN: 0025-5270

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Moisture content, ash, carbohydrate, sugar, N, lignin, and pH of fecal matter, nest material, and fungus comb of 13 species of termites belonging to the genera Neoterme, Cryptoterme, Stylosterme, Coptoterme, Heteroterme, Microceroterme, Nasutiterme, Odontoterme, and Microterme were studied. The moisture content of dry fecal pellets ranged from 13.3% to 23.0% and of formless excreta ranged from 37.8% to 64.4%. The moisture content of wood carton nests varied from 19.6% to 29.8%. Fungus combs contained a high (45.4-56.6%) moisture content. The ash content in formless excreta was higher (10.5-14.4%) than in dry fecal pellets (3.2-5.5%). An accumulation of mineral matter from the flow of sap into the cavities or wounds formed by termites in standing trees and proctodeal feeding may account for this. The ash content of carton nests and fungus combs was high (4.2-34.8% and 12.5-25.6%, resp). This indicates that soil is one of the constituents of the nest. The concentration

of

soluble sugars in fecal pellets (7.2-18.6%), in carton nests (5.4-16.8%), and fungus comb (23.2-31.0%) was higher. The concentration of polysaccharides (cellulose 8.0-20.0% and hemicelluloses 18.8-32.0%) in fecal matter, nest material, and fungus comb indicates a very high but not complete assimilation of cellulose and hemicelluloses by the termites. The sugars detected show that termites do not utilize all the sugars of the hemicellulose group. The lignin content in fecal matter and nest material was high (35.9-55.6%), suggesting that only a small quantity of lignin in the wood could be degraded by termites. The lignin content in fungus combs (20.2-29.2%) was low, which may be due to decomposition of fungus combs by the fungi growing on them. The N content

in the fecal matter (0.53-1.06%), nest material (0.76-1.14%), and fungus combs (1.24-2.13%) indicates that **termites** are not able to assimilate all the N present in their food. The pH of the fecal matter, nest material, and fungus comb cannot be correlated with the pH of the hindgut of the **termites**.

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1978:491328 CAPLUS

DOCUMENT NUMBER: 89:91328

TITLE: **Composition** for preserving wood and wooden articles

INVENTOR(S): Metzner, Wolfgang; Koddebusch, Hubert; Cymorek, Siegfried; Hinterberger, Helmut

PATENT ASSIGNEE(S): Desowag-Bayer Holzschutz G.m.b.H., Fed. Rep. Ger.

SOURCE: Ger., 8 pp.  
CODEN: GWXXAW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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DE 2644077	B1	19771103	DE 1976-2644077	19760930
DE 2644077	C2	19790628		
NL 7710148	A	19780403	NL 1977-10148	19770915
NO 7703254	A	19780331	NO 1977-3254	19770922
NO 147405	B	19821227		
NO 147405	C	19830413		
BE 859030	A1	19780328	BE 1977-8397	19770926
FR 2366110	A1	19780428	FR 1977-29108	19770926
FR 2366110	B1	19800801		
ES 462725	A1	19780601	ES 1977-462725	19770928
DK 7704311	A	19780331	DK 1977-4311	19770929
DK 147038	B	19840326		
DK 147038	C	19841001		
SE 7710901	A	19780331	SE 1977-10901	19770929
SE 425470	B	19821004		
SE 425470	C	19830113		
BR 7706505	A	19780808	BR 1977-6505	19770929
CA 1078104	A1	19800527	CA 1977-287919	19770929
AT 7706965	A	19850615	AT 1977-6965	19770929
AT 379541	B	19860127		
FI 7702895	A	19780331	FI 1977-2895	19770930
FI 60807	B	19811231		
FI 60807	C	19820413		
JP 53044604	A2	19780421	JP 1977-117793	19770930
JP 62024241	B4	19870527		
GB 1590069	A	19810528	GB 1977-40820	19770930
CH 634343	A	19830131	CH 1977-11989	19770930
PRIORITY APPLN. INFO.:			DE 1976-2644077	19760930

AB **Wood** preservatives were prepared by compounding carbamate derivs. with a 1-trityl-1,2,4-triazole derivative or chlorinatd PhOH, phosphorothioates, and organic solvents. Thus, a formulation containing pentachlorophenol [87-86-5] 5.0, isopropoxyphenyl methylcarbamate 0.6, O,O-diethyl O-( $\alpha$ -cyanobenzylideneamino) phosphorothioate [14816-18-3] 1.8, alkyd resin 12.0, siccative 0.2, and hydrocarbon solvent 80.4% protected **wood** against fungus, **insects**, and **termites**.

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(FILE 'HOME' ENTERED AT 14:00:50 ON 02 AUG 2004)

FILE 'STNGUIDE' ENTERED AT 14:00:59 ON 02 AUG 2004

FILE 'CAPLUS' ENTERED AT 14:01:38 ON 02 AUG 2004

L1 2131 S TERMITES  
L2 275 S L1 AND INSECTS  
L3 97 S L2 AND WOOD  
L4 5 S L3 AND COMPOSITION

=> s l1 and imidacloprid

1380 IMIDACLOPRID

L5 22 L1 AND IMIDACLOPRID

=> d l5 20-25 ibib hitstr abs

L5 ANSWER 20 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1995:648220 CAPLUS

DOCUMENT NUMBER: 123:27832

TITLE: Odorless insect repellents against **termites**

INVENTOR(S): Ueda, Masayoshi; Muto, Yutaka

PATENT ASSIGNEE(S): Japan Carlit Co Ltd, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

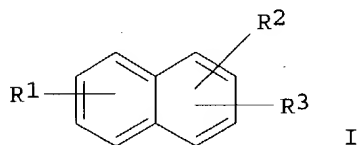
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 07089803	A2	19950404	JP 1993-258961	19930924
PRIORITY APPLN. INFO.:			JP 1993-258961	19930924
OTHER SOURCE(S):	MARPAT 123:27832			
GI				



AB An odorless insect repellent contains a repellent, a solvent and surfactant, or preservative; the solvent being I ( R1, R2 = H, C1-2 alkyl; R3 = C1-3 alkyl). The active repellent may be chlorpyrifos, phoxim, pyridaphenthion, allethrin, carbaril, **imidacloprid**, etc. For example, an odorless emulsion was prepared by combining dimethylpropyl naphthalene, chlorpyrifos, Sorpol-3006K and Sorpol-3008K.

L5 ANSWER 21 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1995:187187 CAPLUS

DOCUMENT NUMBER: 122:25815

TITLE: **Imidacloprid** - a new systemic insecticide.

09886197

AUTHOR(S): Elbert, A.; Becker, B.; Hartwig, J.; Erdelen, C.  
CORPORATE SOURCE: Geschäftsbereich Pflanzenschutz  
Entwicklung/Insektizide, Bayer AG, Leverkusen, 5090,  
Germany  
SOURCE: Pflanzenschutz-Nachrichten Bayer (German Edition)  
(1991), 44(2), 113-36  
CODEN: PNBAT; ISSN: 0340-1723  
PUBLISHER: Bayer AG  
DOCUMENT TYPE: Journal  
LANGUAGE: German

AB The biol. profile of **Imidacloprid** (I) was defined on the basis of the results of exhaustive laboratory expts. and greenhouse trials. I is extremely effective against sucking insects, such as rice leafhoppers, aphids, thrips and mealybugs, and very effective against whitefly. It is also effective against some species of biting insects, such as paddy stem borers and Colorado beetle, but it has no effect on nematodes or spider mites. At comparatively high doses it kills adult insects and has ovicidal effects. I is a nicotinic acetylcholine receptor stimulator. Its mechanism of action differs from that of conventional insecticides. It therefore gives excellent control of all resistant populations investigated hitherto. I has a pos. temperature coefficient. After foliar application, it has a good residual action, it is highly photostable and it shows satisfactory resistance to rain. I is active after oral ingestion and by direct contact, but it is not active in the vapor phase. The LD<sub>95</sub> after oral ingestion by *Myzus persicae* is .apprx.2 pg/aphid. After topical application it is .apprx.160 pg/aphid. It has not been possible to demonstrate recovery of injured aphids, or antifeeding effects. I has a faster action against aphids than oxydemeton-Me. After foliar application, I shows good translaminar and acropetal translocation, so it is also likely to provide effective control of pests with a furtive lifestyle, and protect the parts of the plant which regenerate after treatment. By virtue of its good contact action and powerful systemic action after uptake through the root system, I can be applied to soil and used as a seed dressing. It gives excellent control of pests such as onion maggots, *Diabrotica*, wire worms, **termites** and fire ants which live in the soil, and of insects such as aphids which live above ground level. It has a good residual action after application to the soil and when it is used as a seed dressing. The compatibility of I with plants is good after use as a seed dressing, as a soil treatment and after foliar application. By virtue of its biol. properties, I is likely to have a wide range of uses for controlling economically important pests of rice, cotton, cereals, maize, sugar beet, potatoes, vegetables, citrus fruit, pome and stone fruit and other crops.

L5 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN

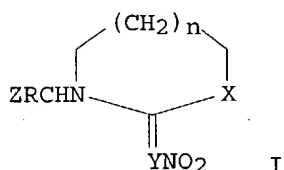
ACCESSION NUMBER: 1993:54353 CAPLUS  
DOCUMENT NUMBER: 118:54353  
TITLE: Imidazolidine derivatives and related compounds as industrial insecticides and wood preservatives  
INVENTOR(S): Tsuboi, Shinichi; Sone, Shinzaburo; Obinata, Toru; Exner, Otto; Schwamborn, Michael  
PATENT ASSIGNEE(S): Nihon Bayer Agrochem K. K., Japan  
SOURCE: Eur. Pat. Appl., 15 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 511541	A1	19921104	EP 1992-106384	19920414
EP 511541	B1	19960904		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 05032505	A2	19930209	JP 1991-350751	19911212
JP 3162450	B2	20010425		
JP 2001031511	A2	20010206	JP 2000-233512	19911212
AU 9213908	A1	19921029	AU 1992-13908	19920330
AU 645672	B2	19940120		
AT 142077	E	19960915	AT 1992-106384	19920414
ES 2090400	T3	19961016	ES 1992-106384	19920414
BR 9201534	A	19921201	BR 1992-1534	19920427
US 6323224	B1	20011127	US 1995-543351	19951016
US 2001051643	A1	20011213	US 2001-886197	20010621
PRIORITY APPLN. INFO.:			JP 1991-125172	A 19910427
			JP 1991-350751	A 19911212
			US 1992-872279	B1 19920422
			US 1995-543351	A3 19951016

OTHER SOURCE(S): MARPAT 118:54353  
GI



AB The imidazolidine derivs. and related compds. I (X = NH, S; Y = CH, N; Z = 2-chloro-5-pyridyl, 2-chloro-5-thiazolyl; R = H, Me; n = 0, 1) are industrial insecticides and wood preservatives. Wood impregnated with 0.32 ppm **imidacloprid** was lethal to **termites** (*Coptotermes formosanus*) for ≥3 wk.

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=> s l1 and synergisti3

3 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> s l1 and synergistic

58550 SYNERGISTIC

L6 17 L1 AND SYNERGISTIC

=> s l1 and fungicide

54569 FUNGICIDE

L7 48 L1 AND FUNGICIDE

=> s l1 and insecticide

65557 INSECTICIDE

L8 373 L1 AND INSECTICIDE

=> s l17 and l8

11 LL7

L9 0 LL7 AND L8

09886197

=> s 16 and 17  
L10 1 L6 AND L7

=> s 16 and 18  
L11 10 L6 AND L8

=> s 110 and 111  
L12 1 L10 AND L11

=> d 112 ibib hitstr abs

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:958571 CAPLUS

DOCUMENT NUMBER: 138:20917

TITLE: Wood preservatives containing terpene-maleic anhydride adducts and natural fungicidal and insecticidal components

INVENTOR(S): Iwakawa, Toru; Kobayashi, Tomonori; Morikawa, Toshiyuki

PATENT ASSIGNEE(S): Nippon Eisei Center Co., Ltd., Japan; Yasuhara Chemical Co., Ltd.

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2002363006	A2	20021218	JP 2001-170194	20010605
PRIORITY APPLN. INFO.:			JP 2001-170194	20010605

AB A wood preservative composition that is effective against wood-damaging insects and wood-rotting fungi and safe for humans and livestock is obtained by mixing a natural fungicidal and insecticidal component (such as kihadanin) with the maleic anhydride adduct of a terpene. Thus, 1.0%  $\alpha$ -terpinene-maleic anhydride adduct (TM-60) + 0.25% hinokitiol mixture diluted with longifolene synergistically controlled **termites** (Coptotermes).

=> d 111 1-10 ibib hitstr abs

L11 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:958571 CAPLUS

DOCUMENT NUMBER: 138:20917

TITLE: Wood preservatives containing terpene-maleic anhydride adducts and natural fungicidal and insecticidal components

INVENTOR(S): Iwakawa, Toru; Kobayashi, Tomonori; Morikawa, Toshiyuki

PATENT ASSIGNEE(S): Nippon Eisei Center Co., Ltd., Japan; Yasuhara Chemical Co., Ltd.

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:



PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002363006	A2	20021218	JP 2001-170194	20010605
PRIORITY APPLN. INFO.:			JP 2001-170194	20010605

AB A wood preservative composition that is effective against wood-damaging insects and wood-rotting fungi and safe for humans and livestock is obtained by mixing a natural fungicidal and insecticidal component (such as kihadanin) with the maleic anhydride adduct of a terpene. Thus, 1.0%  $\alpha$ -terpinene-maleic anhydride adduct (TM-60) + 0.25% hinokitiol mixture diluted with longifolene synergistically controlled **termites** (Coptotermes).

L11 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2002:142435 CAPLUS  
 DOCUMENT NUMBER: 136:162742  
 TITLE: **Synergistic** insecticidal wood preservative compositions  
 INVENTOR(S): Bender, Raymond L.; Ross, Alan S.; Ward, Hans A.  
 PATENT ASSIGNEE(S): Kop-Coat, Inc., USA  
 SOURCE: PCT Int. Appl., 12 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002013605	A2	20020221	WO 2001-US25341	20010814
WO 2002013605	A3	20020411		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM.				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 6582732	B1	20030624	US 2000-638594	20000815
AU 2001084864	A5	20020225	AU 2001-84864	20010814
EP 1311161	A2	20030521	EP 2001-963955	20010814
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
NZ 524216	A	20040326	NZ 2001-524216	20010814
PRIORITY APPLN. INFO.:			US 2000-638594	A 20000815
			WO 2001-US25341	W 20010814

AB A wood treatment material having a **synergistic** combination of insecticides includes boron-containing compds. and synthetic pyrethroids, is provided. Resistance to attack by Formosan **termites**, in particular, is provided, in a cost-effective manner.

L11 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1996:377283 CAPLUS  
 DOCUMENT NUMBER: 125:51517  
 TITLE: Pyrethroids and imidazolidine derivatives as **synergistic** insecticides against **termites**  
 INVENTOR(S): Ootsu, Juichi; Sone, Shinzaburo

09886197

PATENT ASSIGNEE(S): Nihon Tokushu Noyaku Seizo KK, Japan; Bayer  
Cropsience K.K.  
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08099809	A2	19960416	JP 1994-259634	19940930
JP 3493476	B2	20040203		
US 5661164	A	19970826	US 1995-532299	19950922
US 5880142	A	19990309	US 1997-848007	19970428
PRIORITY APPLN. INFO.:			JP 1994-259634	A 19940930
			US 1995-532299	A3 19950922

OTHER SOURCE(S): MARPAT 125:51517

AB A **synergistic insecticide** contains a pyrethroid and ARNC(B)C:YX where R = H, acyl, alkyl (un)substituted heteroarylalkyl; A = H, alkyl, etc.; B = alkyl, SR1, NR1R2, etc.; R1, R2 H, acyl, alkyl, heteroarylalkyl; Y = :N-, :C(T1)-; T1 = H, (un)substituted alkyl; X = electron attracting group. For example, **synergistic** effects of 1-(6-chloro-3-pyridylmethyl)-2-nitroimidazolidin-2-ylidenamine and cyfluthrin against **termites** were demonstrated.

L11 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1991:601142 CAPLUS

DOCUMENT NUMBER: 115:201142

TITLE: **Synergistic insecticides** containing isobornyl thiocynoethyl ether and bis(2,3,3,-tetrachloropropyl) ether

INVENTOR(S): Tsuji, Hideaki; Taneike, Yoichiro; Konishi, Seiji; Okumura, Takeya

PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03128305	A2	19910531	JP 1989-332146	19891221
PRIORITY APPLN. INFO.:			JP 1988-325012	19881223
			JP 1989-186900	19890718

AB Insecticides, useful for controlling cockroaches, **termites**, etc., contain isobornyl thiocynoethyl ether (I) and bis(2,3,3,-tetrachloropropyl) ether (S-421) (II). An aqueous dispersion (100 mL) containing 10 ppm I and 10 ppm II was put in a container with *Culex pipiens* and kept at 26° for 48 h to show 100% insecticidal activity, vs. 0% and 55%, for controls containing I and II themselves, resp. I 10, II 20, xylene 60, and poly(oxyethylene) nonylphenyl ether 10 parts were mixed to give an emulsion.

L11 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1990:174116 CAPLUS

DOCUMENT NUMBER: 112:174116

09886197

TITLE: **Synergistic** termite-controlling agents containing cyclopropanecarboxylate and octachloro-4-oxaheptane  
INVENTOR(S): Kono, Yoriko; Tsuda, Shigenori; Ito, Takaaki  
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01287005	A2	19891117	JP 1988-117757	19880513
JP 2576588	B2	19970129		

PRIORITY APPLN. INFO.: JP 1988-117757 19880513

AB **Synergistic** termite-controlling agents contain  $\alpha$ -cyano-3-phenoxybenzyl 3-(1,2,2,2-tetrabromoethyl)-2,2-dimethylcyclopropanecarboxylate (I) and 1,1,1,2,6,7,7,7-octachloro-4-oxaheptane (II) as active ingredients. The agents control **termites** at low concentration. An emulsion containing I and II, applied to soil at 0.03% I and 0.2% II, 100% controlled *Coptotermes formosanus* after 24 h, vs. 80 and 21% control, for I and II, resp. An emulsion comprised I 0.6, II 15, Sorpol SM200 20, and xylene 64.4 weight parts.

L11 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1989:187823 CAPLUS

DOCUMENT NUMBER: 110:187823

TITLE: **Synergistic** ant-controlling agents and wood preservatives containing chlorpyrifos and phosphorothioate derivatives  
INVENTOR(S): Nishimoto, Koichi; Imamura, Kennosuke  
PATENT ASSIGNEE(S): Nippon Chemical Industrial Co., Ltd., Japan; Chemiholz K. K.

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63301803	A2	19881208	JP 1987-137791	19870602
JP 08022809	B4	19960306		

PRIORITY APPLN. INFO.: JP 1987-137791 19870602

AB A mixture of chlorpyrifos (I) and O,O-di-Et O-dichlorophenyl phosphorothioate (II) is useful as an ant repellent and a wood preservative. A mixture of 37.8% I and 62.1% II showed no precipitation after 48 h at room temperature, had no bad odor when left 1 h at room temperature, and its 0.1% solution showed 100% control of house **termites** after 20 h, vs., no control by a reference compound, chlordane, with the same dilution

L11 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1988:624743 CAPLUS

DOCUMENT NUMBER: 109:224743

TITLE: **Synergistic** antitermites for wood containing

09886197

INVENTOR(S): molybdenum and tungsten compounds.  
Katsuta, Yoshio  
PATENT ASSIGNEE(S): Dainippon Jochugiku Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63174908	A2	19880719	JP 1987-8826	19870116
JP 07068095	B4	19950726		

PRIORITY APPLN. INFO.: JP 1987-8826 19870116

AB Antitermites containing Mo compds. and W compds. are applied to woods. Aqueous solution (1 mL) containing 0.50% Na molybdate (I) and 0.50% Na<sub>2</sub>WO<sub>4</sub> was dropped on

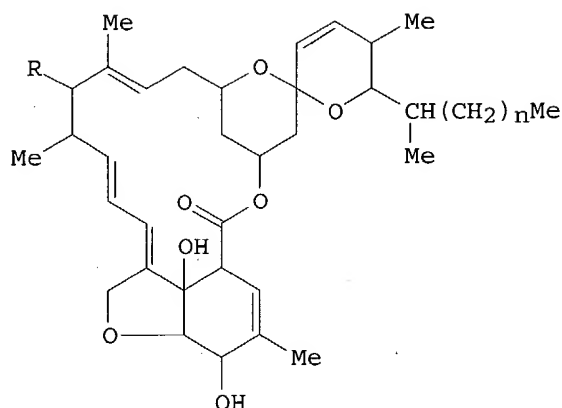
filter paper (diameter 6 cm) and dried. Reticulitermes speratus was completely controlled with the composition, vs. 87% and 80% control, for 1.0% I and 1.0% Na<sub>2</sub>WO<sub>4</sub>, resp. A wettable powder was prepared from I 1, Na<sub>2</sub>WO<sub>4</sub> 2, 3-iodo-2-propylbutyl carbamate 1, diatomaceous earth 35, clay 56, laurylsulfonate salt 3, and CMC 2 parts.

L11 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1987:549238 CAPLUS  
DOCUMENT NUMBER: 107:149238  
TITLE: **Synergistic insecticide** comprising avermectin and silicon dioxide  
INVENTOR(S): Putter, Irving; Stout, Daniel M.  
PATENT ASSIGNEE(S): Merck and Co., Inc., USA  
SOURCE: U.S., 4 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4678774	A	19870707	US 1985-741926	19850606

PRIORITY APPLN. INFO.: US 1985-741926 19850606  
GI



I

AB A **synergistic** insecticidal composition consists of an avermectin I (R =  $\alpha$ -L-oleandrosyl- $\alpha$ -L-oleandrosyloxy; n = 0, 1) and SiO<sub>2</sub>. A composition containing 001  $\mu$ g avermectin B1a/B1b and 1 mg SiO<sub>2</sub> synergistically controlled **termites**.

L11 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1978:592524 CAPLUS

DOCUMENT NUMBER: 89:192524

TITLE: **Synergistic** insecticidal composition

INVENTOR(S): Mukai, Toshihiko; Oda, Satoshi; Magami, Masato

PATENT ASSIGNEE(S): Yoshitomi Pharmaceutical Industries, Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 53075330	A2	19780704	JP 1976-151721	19761216
PRIORITY APPLN. INFO.:			JP 1976-151721	19761216

AB Chlordene-permethrin mixture [68170-17-2] is a **synergistic insecticide**. The mixture (0.1 + 0.1%) killed **termites** 100% whereas each component even at 2% were less effective.

L11 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1978:592523 CAPLUS

DOCUMENT NUMBER: 89:192523

TITLE: **Synergistic** insecticidal composition

INVENTOR(S): Mukai, Toshihiko; Oda, Satoshi; Magami, Masato

PATENT ASSIGNEE(S): Yoshitomi Pharmaceutical Industries, Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

09886197

JP 53075328                      A2      19780704      JP 1976-151720                      19761216  
PRIORITY APPLN. INFO.:                      JP 1976-151720                      19761216  
AB    **Synergistic** insecticidal compns. contain 1 or more tributyltin  
      compds. and synthetic pyrethroids. Synergism was demonstrated against  
      **termites** by a tributyltin oxide-permethrin mixture [68202-14-2]  
      (0.5 + 0.1%).

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
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FULL ESTIMATED COST	72.28	72.55
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DICTIONARY FILE UPDATES:    1 AUG 2004    HIGHEST RN 720662-84-0

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=> S 68202-14-2/RN

L13                      1 68202-14-2/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND  
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DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L13 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN    **68202-14-2** REGISTRY  
CN    Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-,  
      (3-phenoxyphenyl)methyl ester, mixt. with hexabutyldistannoxane (9CI) (CA

09886197

INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Distannoxane, hexabutyl-, mixt. contg. (9CI)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND  
SET COMMAND COMPLETED

=>

=> logoff  
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF  
LOGOFF? (Y)/N/HOLD:d his  
'D HIS' IS NOT VALID HERE  
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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF  
LOGOFF? (Y)/N/HOLD:H  
COST IN U.S. DOLLARS

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	ENTRY	SESSION
FULL ESTIMATED COST	3.45	76.00

	SINCE FILE	TOTAL
	ENTRY	SESSION
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)		
CA SUBSCRIBER PRICE	0.00	-13.23

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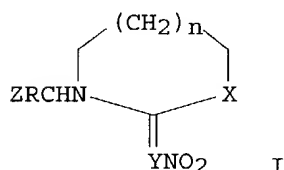
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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 May 12 EXTEND option available in structure searching  
NEWS 4 May 12 Polymer links for the POLYLINK command completed in REGISTRY  
NEWS 5 May 27 New UPM (Update Code Maximum) field for more efficient patent  
SDIs in Caplus  
NEWS 6 May 27 Caplus super roles and document types searchable in REGISTRY  
NEWS 7 Jun 28 Additional enzyme-catalyzed reactions added to CASREACT  
NEWS 8 Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,  
and WATER from CSA now available on STN(R)  
NEWS 9 Jul 12 BEILSTEIN enhanced with new display and select options,  
resulting in a closer connection to BABS  
NEWS 10 Jul 30 BEILSTEIN on STN workshop to be held August 24 in conjunction

09886197

EP 511541	A1	19921104	EP 1992-106384	19920414
EP 511541	B1	19960904		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 05032505	A2	19930209	JP 1991-350751	19911212
JP 3162450	B2	20010425		
JP 2001031511	A2	20010206	JP 2000-233512	19911212
AU 9213908	A1	19921029	AU 1992-13908	19920330
AU 645672	B2	19940120		
AT 142077	E	19960915	AT 1992-106384	19920414
ES 2090400	T3	19961016	ES 1992-106384	19920414
BR 9201534	A	19921201	BR 1992-1534	19920427
US 6323224	B1	20011127	US 1995-543351	19951016
US 2001051643	A1	20011213	US 2001-886197	20010621
PRIORITY APPLN. INFO.:			JP 1991-125172	A 19910427
			JP 1991-350751	A 19911212
			US 1992-872279	B1 19920422
			US 1995-543351	A3 19951016

OTHER SOURCE(S):                    MARPAT 118:54353  
GI



AB    The imidazolidine derivs. and related compds. I (X = NH, S; Y = CH, N; Z = 2-chloro-5-pyridyl, 2-chloro-5-thiazolyl; R = H, Me; n = 0, 1) are industrial insecticides and wood preservatives. Wood impregnated with 0.32 ppm **imidacloprid** was lethal to **termites** (*Coptotermes formosanus*) for  $\geq 3$  wk.

=>  
=> s l1 and synergisti3  
3 IS NOT A RECOGNIZED COMMAND  
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=> s l1 and synergistic  
58550 SYNERGISTIC  
L6            17 L1 AND SYNERGISTIC

=> s l1 and fungicide  
54569 FUNGICIDE  
L7            48 L1 AND FUNGICIDE

=> s l1 and insecticide  
65557 INSECTICIDE  
L8            373 L1 AND INSECTICIDE

=> s l17 and l8  
11 LL7  
L9            0 LL7 AND L8

8/2/04



09886197

=> s 16 and 17  
L10 1 L6 AND L7

=> s 16 and 18  
L11 10 L6 AND L8

=> s 110 and 111  
L12 1 L10 AND L11

=> d 112 ibib hitstr abs

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2002:958571 CAPLUS  
DOCUMENT NUMBER: 138:20917  
TITLE: Wood preservatives containing terpene-maleic anhydride  
adducts and natural fungicidal and insecticidal  
components  
INVENTOR(S): Iwakawa, Toru; Kobayashi, Tomonori; Morikawa,  
Toshiyuki  
PATENT ASSIGNEE(S): Nippon Eisei Center Co., Ltd., Japan; Yasuhara  
Chemical Co., Ltd.  
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
JP 2002363006	A2	20021218	JP 2001-170194	20010605
PRIORITY APPLN. INFO.:			JP 2001-170194	20010605

AB A wood preservative composition that is effective against wood-damaging insects and wood-rotting fungi and safe for humans and livestock is obtained by mixing a natural fungicidal and insecticidal component (such as kihadanin) with the maleic anhydride adduct of a terpene. Thus, 1.0%  $\alpha$ -terpinene-maleic anhydride adduct (TM-60) + 0.25% hinokitiol mixture diluted with longifolene synergistically controlled **termites** (Coptotermes).

=> d 111 1-10 ibib hitstr abs

L11 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2002:958571 CAPLUS  
DOCUMENT NUMBER: 138:20917  
TITLE: Wood preservatives containing terpene-maleic anhydride  
adducts and natural fungicidal and insecticidal  
components  
INVENTOR(S): Iwakawa, Toru; Kobayashi, Tomonori; Morikawa,  
Toshiyuki  
PATENT ASSIGNEE(S): Nippon Eisei Center Co., Ltd., Japan; Yasuhara  
Chemical Co., Ltd.  
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

8/2/04

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 2002363006	A2	20021218	JP 2001-170194	20010605
PRIORITY APPLN. INFO.:			JP 2001-170194	20010605
AB A wood preservative composition that is effective against wood-damaging insects and wood-rotting fungi and safe for humans and livestock is obtained by mixing a natural fungicidal and insecticidal component (such as kihadanin) with the maleic anhydride adduct of a terpene. Thus, 1.0% $\alpha$ -terpinene-maleic anhydride adduct (TM-60) + 0.25% hinokitiol mixture diluted with longifolene synergistically controlled <b>termites</b> (Coptotermes).				

L11 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:142435 CAPLUS

DOCUMENT NUMBER: 136:162742

TITLE: **Synergistic** insecticidal wood preservative compositions

INVENTOR(S): Bender, Raymond L.; Ross, Alan S.; Ward, Hans A.

PATENT ASSIGNEE(S): Kop-Coat, Inc., USA

SOURCE: PCT Int. Appl., 12 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2002013605	A2	20020221	WO 2001-US25341	20010814
WO 2002013605	A3	20020411		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 6582732	B1	20030624	US 2000-638594	20000815
AU 2001084864	A5	20020225	AU 2001-84864	20010814
EP 1311161	A2	20030521	EP 2001-963955	20010814
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
NZ 524216	A	20040326	NZ 2001-524216	20010814
PRIORITY APPLN. INFO.:			US 2000-638594	A 20000815
			WO 2001-US25341	W 20010814

AB A wood treatment material having a **synergistic** combination of insecticides includes boron-containing compds. and synthetic pyrethroids, is provided. Resistance to attack by Formosan **termites**, in particular, is provided, in a cost-effective manner.

L11 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1996:377283 CAPLUS

DOCUMENT NUMBER: 125:51517

TITLE: Pyrethroids and imidazolidine derivatives as **synergistic** insecticides against **termites**

INVENTOR(S): Ootsu, Juichi; Sone, Shinzaburo

09886197

PATENT ASSIGNEE(S): Nihon Tokushu Noyaku Seizo KK, Japan; Bayer  
Cropscience K.K.  
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08099809	A2	19960416	JP 1994-259634	19940930
JP 3493476	B2	20040203		
US 5661164	A	19970826	US 1995-532299	19950922
US 5880142	A	19990309	US 1997-848007	19970428
PRIORITY APPLN. INFO.:			JP 1994-259634	A 19940930
			US 1995-532299	A3 19950922

OTHER SOURCE(S): MARPAT 125:51517

AB A **synergistic insecticide** contains a pyrethroid and ARNC(B)C:YX where R = H, acyl, alkyl (un)substituted heteroarylalkyl; A = H, alkyl, etc.; B = alkyl, SR1, NR1R2, etc.; R1, R2 H, acyl, alkyl, heteroarylalkyl; Y = :N-, :C(T1)-; T1 = H, (un)substituted alkyl; X = electron attracting group. For example, **synergistic** effects of 1-(6-chloro-3-pyridylmethyl)-2-nitroimidazolidin-2-ylidenamine and cyfluthrin against **termites** were demonstrated.

L11 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1991:601142 CAPLUS

DOCUMENT NUMBER: 115:201142

TITLE: **Synergistic** insecticides containing isobornyl thiocianoethyl ether and bis(2,3,3,-tetrachloropropyl) ether

INVENTOR(S): Tsuji, Hideaki; Taneike, Yoichiro; Konishi, Seiji; Okumura, Takeya

PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03128305	A2	19910531	JP 1989-332146	19891221
PRIORITY APPLN. INFO.:			JP 1988-325012	19881223
			JP 1989-186900	19890718

AB Insecticides, useful for controlling cockroaches, **termites**, etc., contain isobornyl thiocianoethyl ether (I) and bis(2,3,3,-tetrachloropropyl) ether (S-421) (II). An aqueous dispersion (100 mL) containing 10 ppm I and 10 ppm II was put in a container with *Culex pipiens* and kept at 26° for 48 h to show 100% insecticidal activity, vs. 0% and 55%, for controls containing I and II themselves, resp. I 10, II 20, xylene 60, and poly(oxyethylene) nonylphenyl ether 10 parts were mixed to give an emulsion.

L11 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1990:174116 CAPLUS

DOCUMENT NUMBER: 112:174116

8/2/04

09886197

TITLE: **Synergistic** termite-controlling agents containing cyclopropanecarboxylate and octachloro-4-oxaheptane  
INVENTOR(S): Kono, Yoriko; Tsuda, Shigenori; Ito, Takaaki  
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01287005	A2	19891117	JP 1988-117757	19880513
JP 2576588	B2	19970129		

PRIORITY APPLN. INFO.: JP 1988-117757 19880513

AB **Synergistic** termite-controlling agents contain  $\alpha$ -cyano-3-phenoxybenzyl 3-(1,2,2,2-tetrabromoethyl)-2,2-dimethylcyclopropanecarboxylate (I) and 1,1,1,2,6,7,7,7-octachloro-4-oxaheptane (II) as active ingredients. The agents control **termites** at low concentration. An emulsion containing I and II, applied to soil at 0.03% I and 0.2% II, 100% controlled *Coptotermes formosanus* after 24 h, vs. 80 and 21% control, for I and II, resp. An emulsion comprised I 0.6, II 15, Sorpol SM200 20, and xylene 64.4 weight parts.

L11 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1989:187823 CAPLUS

DOCUMENT NUMBER: 110:187823

TITLE: **Synergistic** ant-controlling agents and wood preservatives containing chlorpyrifos and phosphorothioate derivatives  
INVENTOR(S): Nishimoto, Koichi; Imamura, Kennosuke  
PATENT ASSIGNEE(S): Nippon Chemical Industrial Co., Ltd., Japan; Chemiholz K. K.

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63301803	A2	19881208	JP 1987-137791	19870602
JP 08022809	B4	19960306		

PRIORITY APPLN. INFO.: JP 1987-137791 19870602

AB A mixture of chlorpyrifos (I) and O,O-di-Et O-dichlorophenyl phosphorothioate (II) is useful as an ant repellent and a wood preservative. A mixture of 37.8% I and 62.1% II showed no precipitation after 48 h at room temperature, had no bad odor when left 1 h at room temperature, and its 0.1% solution showed 100% control of house **termites** after 20 h, vs., no control by a reference compound, chlordane, with the same dilution

L11 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1988:624743 CAPLUS

DOCUMENT NUMBER: 109:224743

TITLE: **Synergistic** antitermites for wood containing

09886197

molybdenum and tungsten compounds.  
INVENTOR(S): Katsuta, Yoshio  
PATENT ASSIGNEE(S): Dainippon Jochugiku Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63174908	A2	19880719	JP 1987-8826	19870116
JP 07068095	B4	19950726		

PRIORITY APPLN. INFO.: JP 1987-8826 19870116

AB Antitermites containing Mo compds. and W compds. are applied to woods. Aqueous solution (1 mL) containing 0.50% Na molybdate (I) and 0.50% Na<sub>2</sub>WO<sub>4</sub> was dropped on

filter paper (diameter 6 cm) and dried. Reticulitermes speratus was completely controlled with the composition, vs. 87% and 80% control, for 1.0% I and 1.0% Na<sub>2</sub>WO<sub>4</sub>, resp. A wettable powder was prepared from I 1, Na<sub>2</sub>WO<sub>4</sub> 2, 3-iodo-2-propylbutyl carbamate 1, diatomaceous earth 35, clay 56, laurylsulfonate salt 3, and CMC 2 parts.

L11 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

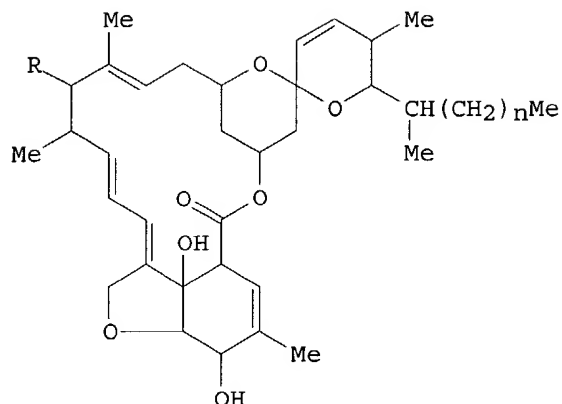
ACCESSION NUMBER: 1987:549238 CAPLUS  
DOCUMENT NUMBER: 107:149238  
TITLE: **Synergistic insecticide** comprising avermectin and silicon dioxide  
INVENTOR(S): Putter, Irving; Stout, Daniel M.  
PATENT ASSIGNEE(S): Merck and Co., Inc., USA  
SOURCE: U.S., 4 pp.  
CODEN: USXXAM

DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4678774	A	19870707	US 1985-741926	19850606

PRIORITY APPLN. INFO.: US 1985-741926 19850606  
GI

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AB A **synergistic** insecticidal composition consists of an avermectin I (R =  $\alpha$ -L-oleandrosyl- $\alpha$ -L-oleandrosyloxy; n = 0, 1) and SiO<sub>2</sub>. A composition containing 001  $\mu$ g avermectin B1a/B1b and 1 mg SiO<sub>2</sub> synergistically controlled **termites**.

L11 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1978:592524 CAPLUS

DOCUMENT NUMBER: 89:192524

TITLE: **Synergistic** insecticidal composition

INVENTOR(S): Mukai, Toshihiko; Oda, Satoshi; Magami, Masato

PATENT ASSIGNEE(S): Yoshitomi Pharmaceutical Industries, Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 53075330	A2	19780704	JP 1976-151721	19761216
PRIORITY APPLN. INFO.:			JP 1976-151721	19761216

AB Chlordene-permethrin mixture [68170-17-2] is a **synergistic insecticide**. The mixture (0.1 + 0.1%) killed **termites** 100% whereas each component even at 2% were less effective.

L11 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1978:592523 CAPLUS

DOCUMENT NUMBER: 89:192523

TITLE: **Synergistic** insecticidal composition

INVENTOR(S): Mukai, Toshihiko; Oda, Satoshi; Magami, Masato

PATENT ASSIGNEE(S): Yoshitomi Pharmaceutical Industries, Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 53075328                    A2        19780704        JP 1976-151720                    19761216  
PRIORITY APPLN. INFO.:                    JP 1976-151720                    19761216  
AB    **Synergistic** insecticidal compns. contain 1 or more tributyltin  
      compds. and synthetic pyrethroids. Synergism was demonstrated against  
      **termites** by a tributyltin oxide-permethrin mixture [68202-14-2]  
      (0.5 + 0.1%).

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DICTIONARY FILE UPDATES:   1 AUG 2004    HIGHEST RN 720662-84-0

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=> S 68202-14-2/RN

L13                    1 68202-14-2/RN

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L13    ANSWER 1 OF 1    REGISTRY    COPYRIGHT 2004 ACS on STN  
RN        **68202-14-2**    REGISTRY  
CN        Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-,  
          (3-phenoxyphenyl)methyl ester, mixt. with hexabutyldistannoxane (9CI)    (CA

8/2/04

09886197

INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Distannoxane, hexabutyl-, mixt. contg. (9CI)

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LOGOFF? (Y)/N/HOLD:H

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FULL ESTIMATED COST	3.45	76.00
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CA SUBSCRIBER PRICE	0.00	-13.23

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